

EMERALD GREEN DISTORTION MACHINE OWNER'S MANUAL

Thank you for choosing the Emerald Green Distortion Machine!

Short description: This is a distortion/ booster pedal intended for use between a low-level instrument such as an electric guitar and an amplifier set for clean to moderate distortion. EGDM was specifically designed to get a distorted tone with a compressed feel to a point where compression feel is more evident than distortion depth as in certain amplifiers. This is done by use of a specific amplifier overload function and a slight 'ducking' effect can be noticed with high input levels. A specific eq curve is also used to complement this tone.

Here are some typical settings and information on how to get the most out of the EGD.

The controls are:

- **DIST**, which sets the amount of distortion and sustain and harmonic content.

A good starting point for this control is a bit below center (eleven o'clock).

- **VOICE**, that sets the frequency range in which distortion shall take place. Turn CCW for more emphasis in the bass and low-mids and turn CW to soften output slightly.

Notice that most flat setting of this control depends on setting of DIST and that bass response can be enhanced through CCW rotation. This control is aimed to set pedal response throughout all settings.

Set VOICE almost full CCW with DIST in full CCW to begin with and unit can be used as a booster. Advance VOICE as DIST is advanced. It is recommended that some time is spent with the controls to get a feel for the interaction of the controls. As a rule VOICE and DIST go CCW and VOL CW or vice versa. In multiple-drive (chained pedals) systems EGDM usually works best early on in chain though some drive pedals work well at overloading EGDM.

- **VOL**. sets the balance between processed signal and nonprocessed. A good starting point for this control is halfway below center (nine o'clock).

Input performance: The unit has high input impedance presenting only a light load to the pickups, and the volume control on the guitar can be used as an auxiliary drive.

Output performance: The output is designed to work into medium impedance such as that of a guitar amplifier and most effect boxes and tape echoes.

Power requirements: The unit is designed to work from a 6F22 9V battery contained in the box (you gain access by removing the four bottom screws) CAUTION! Never operate the unit with its bottom removed or damage will most likely occur.

The current-draw is in the approximately 3 mA with the pilot LED lit, and 2 mA without, hence the expected battery life will be about 36 hours. If sound gets muddy or LED light dim it's time to change battery.

EGD has a trimmer inside. This allows trimming of treble.

Consider this trimmer a "set and forget trim" - use only to match to amp once and for all.

About the 5 year limited warranty: Should you for any reason want to claim this then pack the unit well and enclose a description of the fault and a copy of the original receipt, an

address to where you want it to be sent. Any tampering with the circuit or obvious signs of misuse will void the warranty. Send to manufacturer address (see below). The unit will be repaired or replaced as appropriate at prepaid shipping cost.

Any polite questions will be answered promptly by the manufacturer. The fastest way to get a reply is always to contact the distributor

This product is distributed by: Custom-Sounds Neulaspolku 3 35100 Orivesi Finland www.custom-sounds.com info@custom-sounds.com	Manufactured by: BJF Electronics Sweden
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Emerald Green Distortion machine ELECTRICAL SPECIFICATION

Z in at 1kHz	app. 500K
Pout 1kHz in 50k	app. 0uW35 RMS
Max load	app. 10K
Max output	1V peak
Max current consumption	3mA at 10V
Upper freq.-3dB	app. 10KHz
Max gain at 1KHz	app. 60 dB
Max inputsignal	3V peak
Suppl. Voltage range	7V5-18V
Power requirements	6F22 9V battery or DC eliminator 2,1 mm plug center negative and positive sleeve

Notes: EGDM will distort easier at lower voltage. Maintain recommended voltage for best results EGDM is protected against false polarity and will not take harm by false polarity only not work under such conditions. Normal operation is resumed with correct polarity

The manufacturer claims that the above mentioned product fulfils the requirements as set by EN 55 013, EN 55 020, EN 60 555-2 and EN 60 555-3.